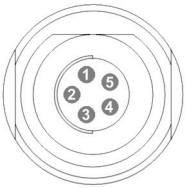
Connector Pin-Outs

LENS

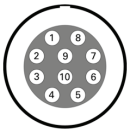
1	n.c.	
2	n.c.	
3	GND	Ground
4	n.c.	
5	n.c.	
6	+12V	Regulated 12 V/1 A lens supply
7	n.c.	
8	n.c.	
9	n.c.	
10	n.c.	
11	CAM to LENS	Serial connection
12	LENS to CAM	Serial connection

LCS



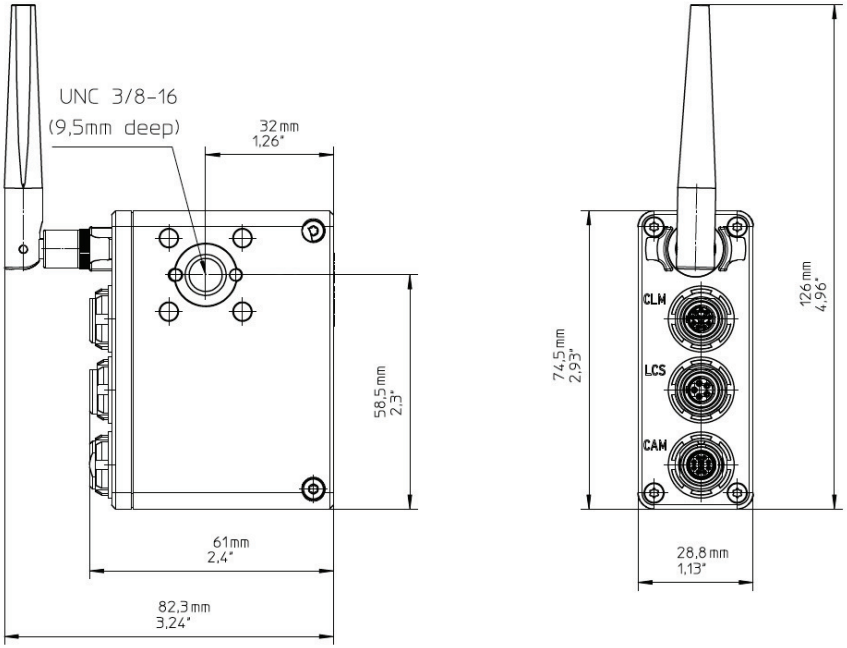
1	GND	Ground
2	n.c.	
3	CAN-L	CAN bus
4	CAN-H	CAN bus
5	+V-BAT	Battery supply output

CAM



1	GND	Ground
2	+V-BAT	9.5 V to 34 V DC IN
3	RxD	RS232
4	TxD	RS232
5	R/S	ARRI R/S
6	RUN-SW2	Opto switch, connects to pin 8 @REC (max. 100 mA/50 V)
7	ACAM	Tally, analog input, active high (default value: 1.25 V transition level)
8	RUN-SW1	Opto switch, connects to pin 6 @REC (max. 100 mA/50 V)
9	DAC-CAM	REC, analog output, active high (default value @REC: 3.3 V)
10	D-CAM	TALLY, digital input, active low, 3.3 V logic signal level

Dimensions and Weight



Weight (including antenna): 173 g

Electrical Data

Supply Voltage:	9.5 V to 34 V DC
Current Consumption:	100 mA@12 V (radio on/ready)
	50 mA@24 V (radio on/ready)
Operating Temperature:	-20 to +50 °C (-4 to +122 °F)

Radio System

The EMC-1 contains a radio unit that enables wireless lens control and lens data communication with a white coded radio module. A white ring at the base of the antenna mount point identifies it. It offers 8 channels to choose from:

Channel	Frequency
0	2.410 GHZ
1	2.415 GHZ
2	2.430 GHZ
3	2.435 GHZ
4	2.450 GHZ
5	2.455 GHZ
6	2.470 GHZ
7	2.475 GHZ

White radio and legacy yellow radio cannot be mixed in the same radio network of camera and hand units. It is possible to use both systems in parallel within different radio networks.